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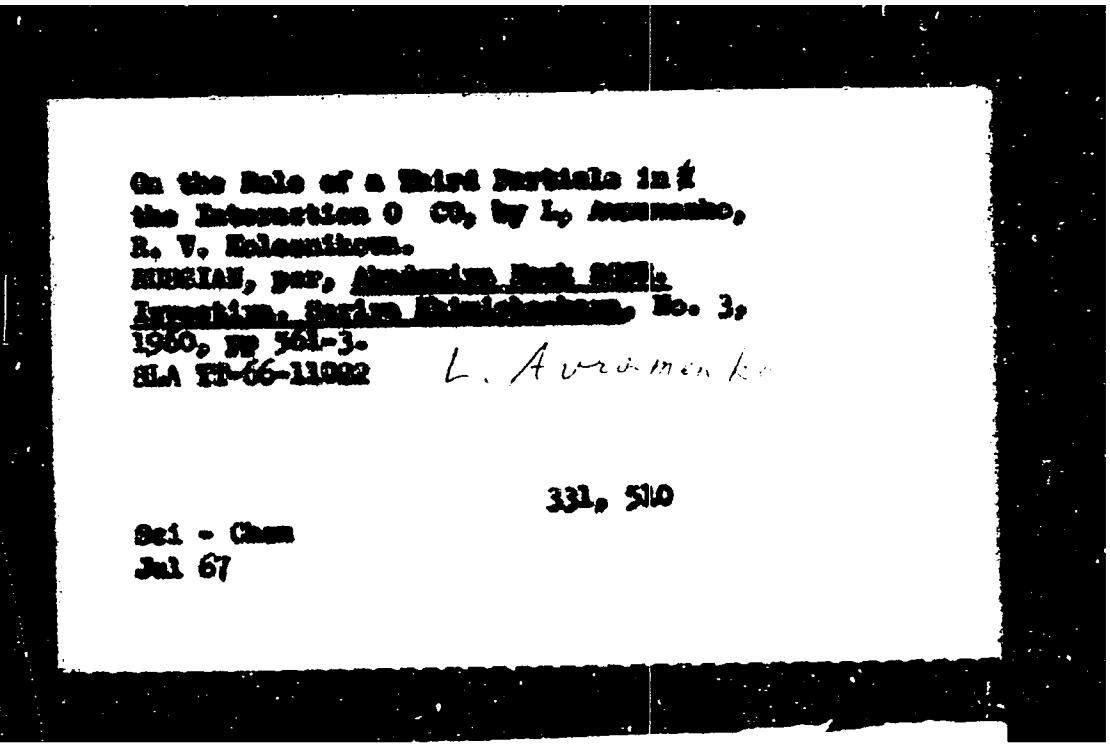

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TT-65-13887 Field 7C

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REACTION RATE CONSTANTS AND THE MECHANISM OF REACTIONS OF OXYGEN WITH METHANE AND ETHANE. 15p, 20refs.
Order from SLA: $1.60 as TT-65-13887

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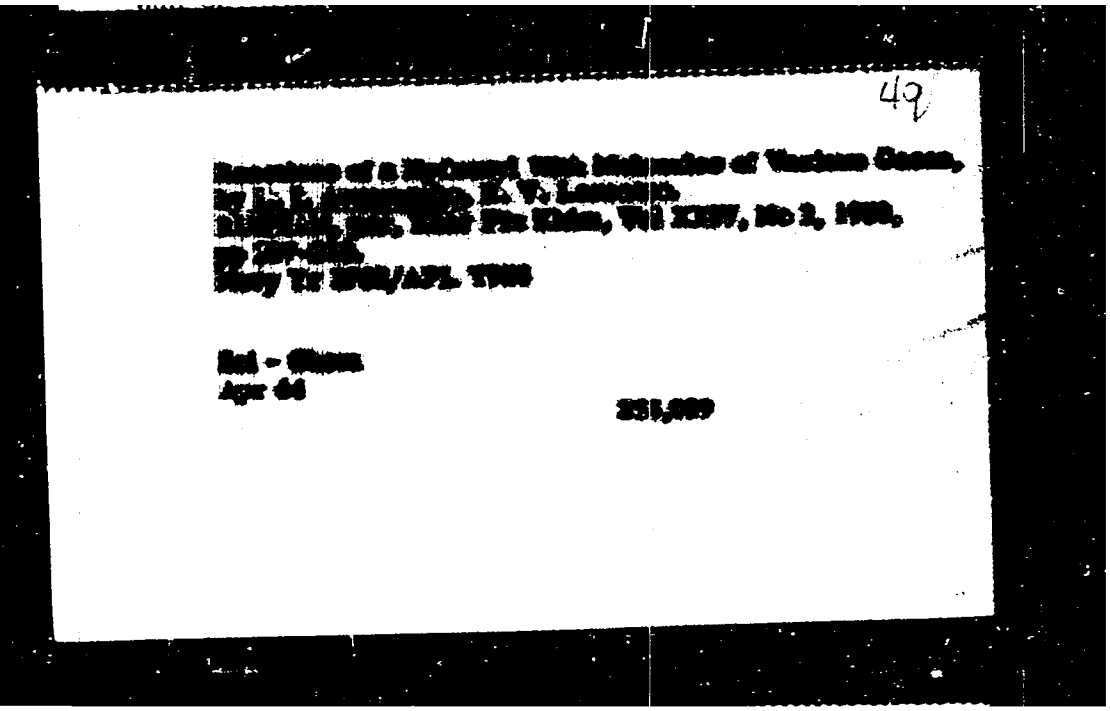

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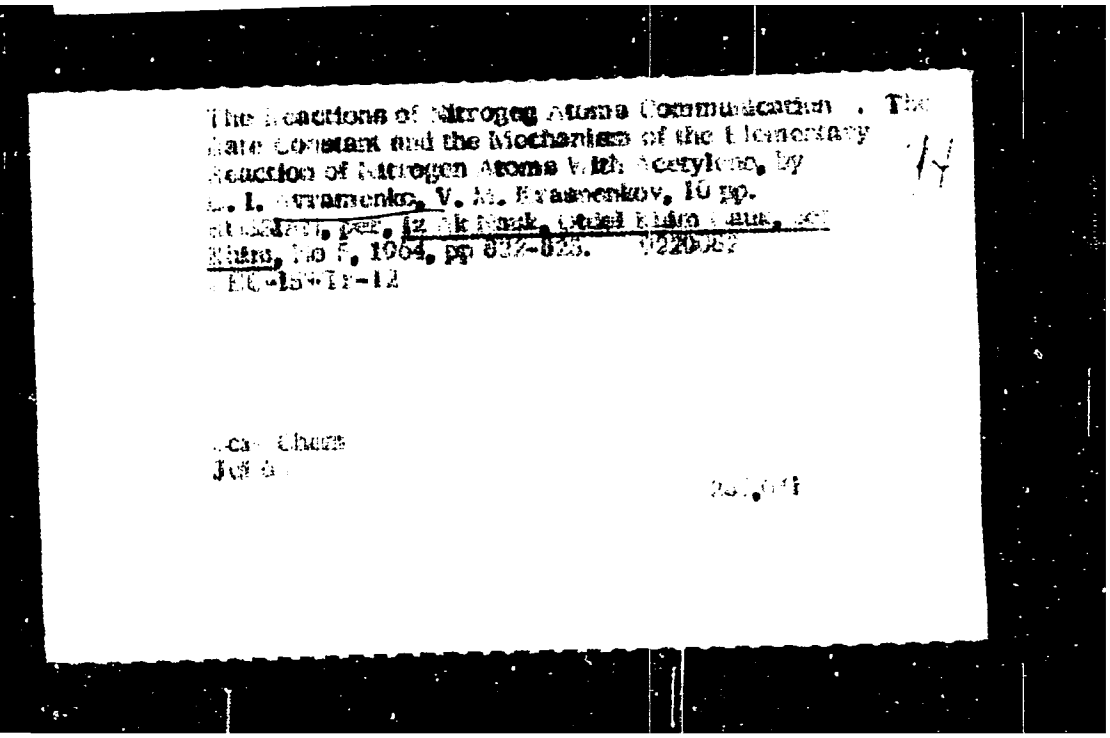

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Order from OTS or SLA $2.60 63-18238

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DESCRIPTORS: *Reaction kinetics, *Lead alloys, *Sodium alloys, *Ethyl radicals, *Chlorides, Vapors, Catalysis

(Chemistry--Physical, TT, v. 10, no. 11)

63-18238

1. Title: Ethyl chlorides
2. Title: Tetraethyl lead
I. Avramenko, L. I.
II. Gerber, M. I.
III. Neiman, M. B.
IV. Shushunov, V. A.
V. Title: Kinetics...

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FTD-TT-62-14

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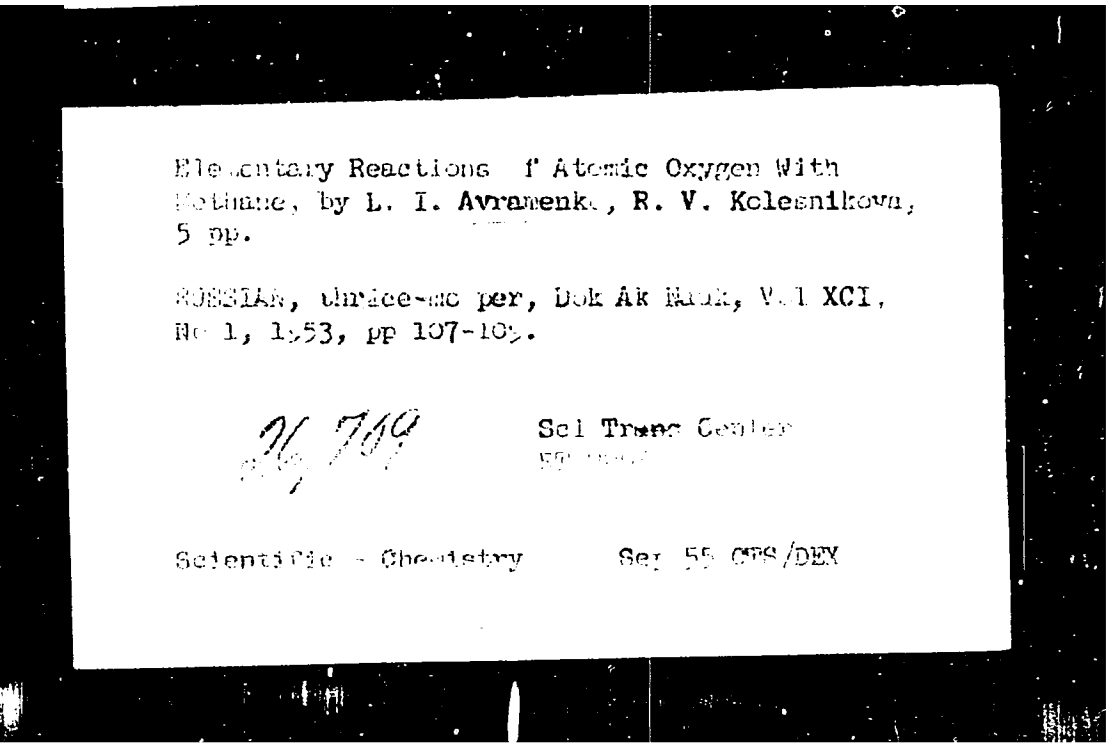

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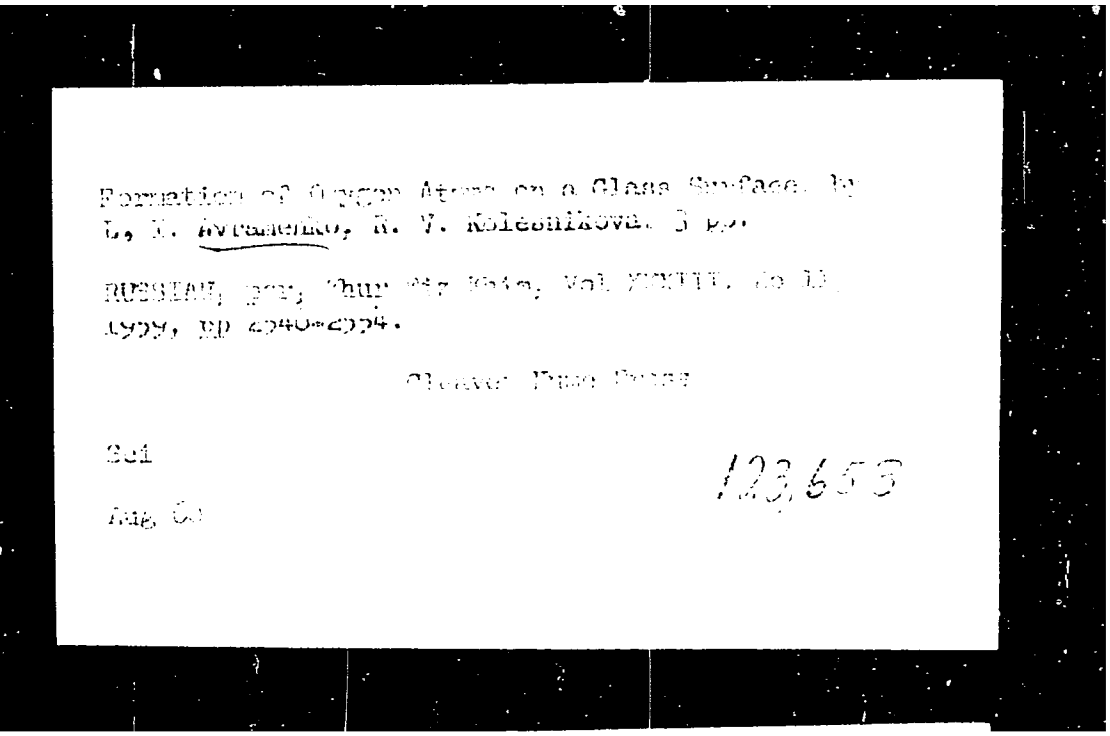

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Glass Pure Gases

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Natl Res Council, Canada
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Sci - Physics

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TT No 760

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APL/JHU TG-230-T215.
Order from OTS $0.50 61-21999

Trans. of *Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1960, no. 5, p. 806-811.

DESCRIPTORS: *Ethyl radicals, *Oxygen, Reaction kinetics, Chemical reactions.

(Chemistry--Physical, TT, v. 6, no. 2)

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I. Avramenko, L. I.
II. Kolesnikova, R. V.
III. APL/JHU TG-230-T215
IV. Applied Physics Lab., Johns Hopkins U., Silver Spring, Md.
V. Contract NOrd-7386

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Reaction products of the ethyl radical and molecular oxygen at temperatures of 100 to 300° are ethylene oxide or acetaldehyde and hydroperoxide. The surface condition of the reaction chamber strongly influences the direction of reaction of $C_2H_5 + O_2$. The formation of ethylene oxide from the reaction of the ethyl radical and a molecule of oxygen occurs on the walls of the reaction vessel treated with discharge products in water vapor. The interaction of an ethyl radical with (Chemistry--Organic, TT, v. 5, no. 9) (over)

61-11169

1. Free radicals--Chemical reactions
2. Oxygen--Chemical reactions
I. Avramenko, L. I.
II. Kolesnikova, R. V.
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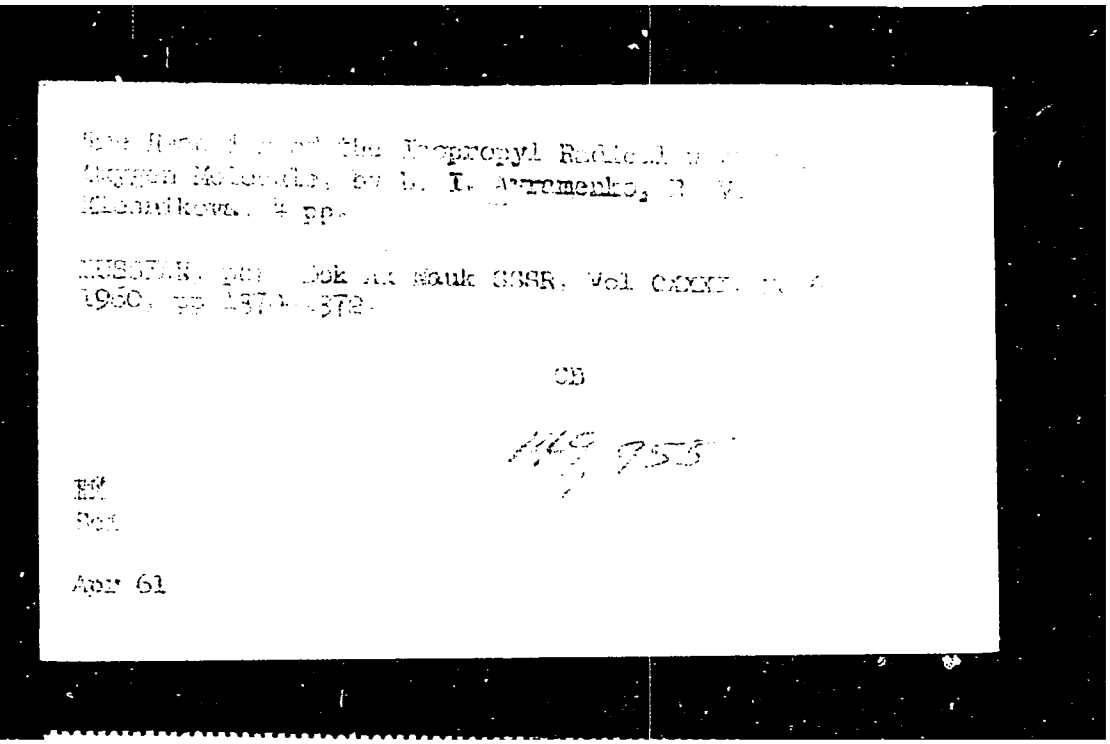

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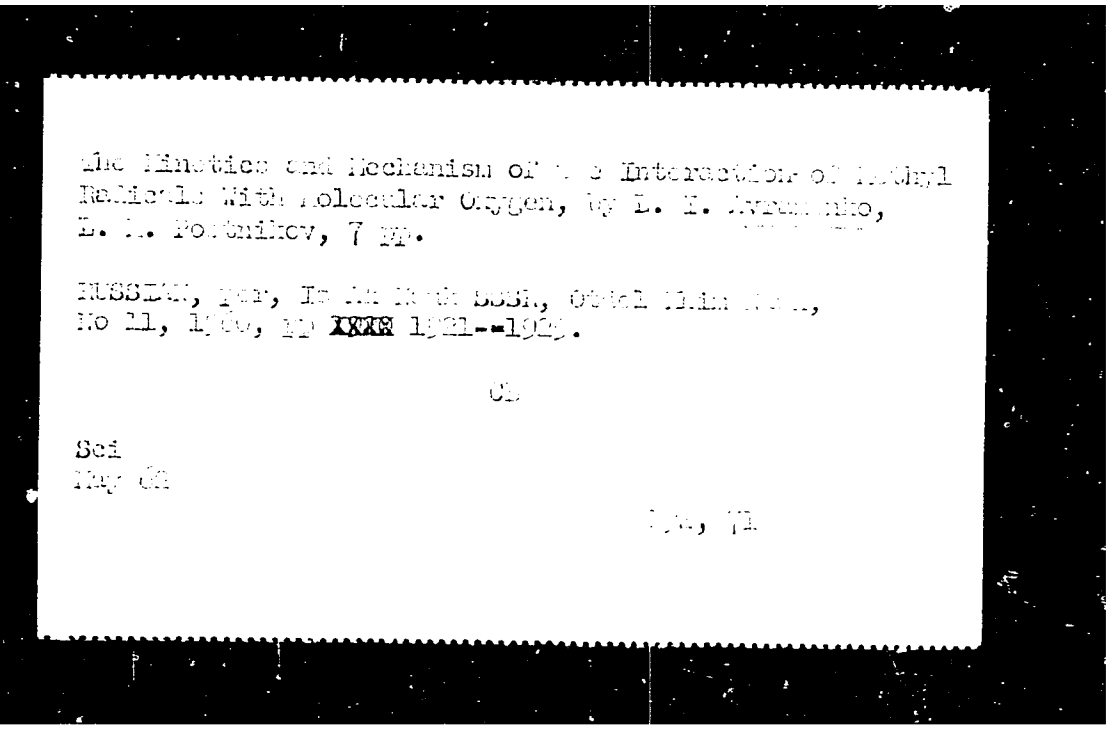

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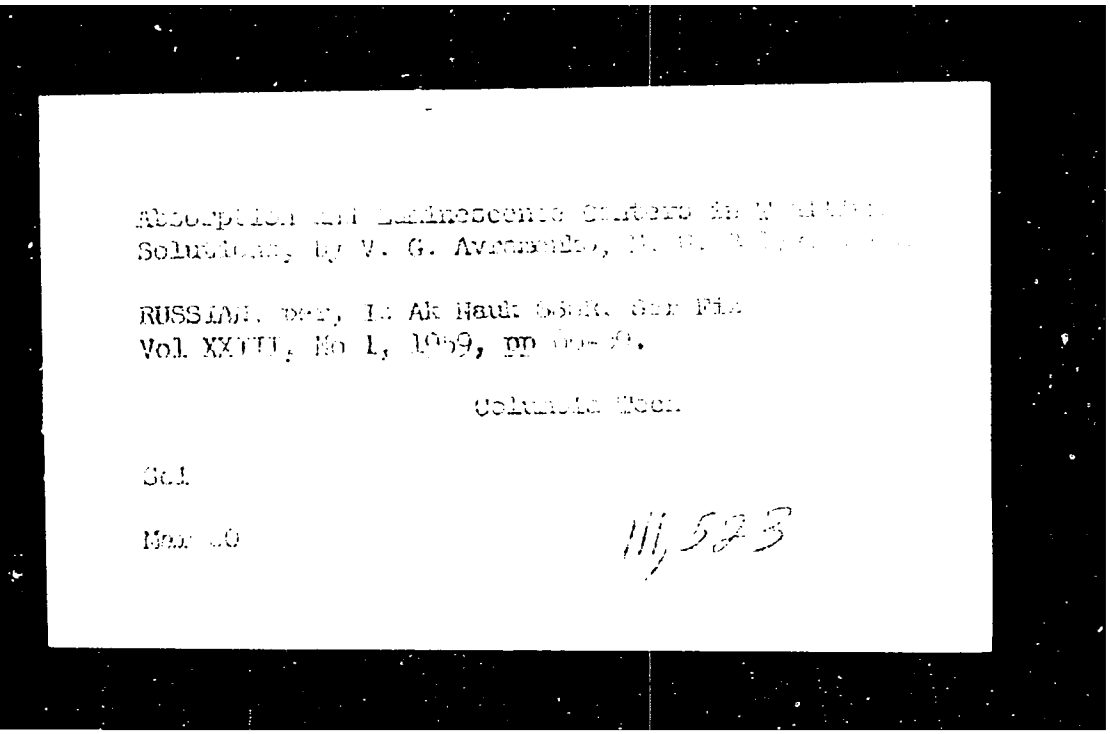

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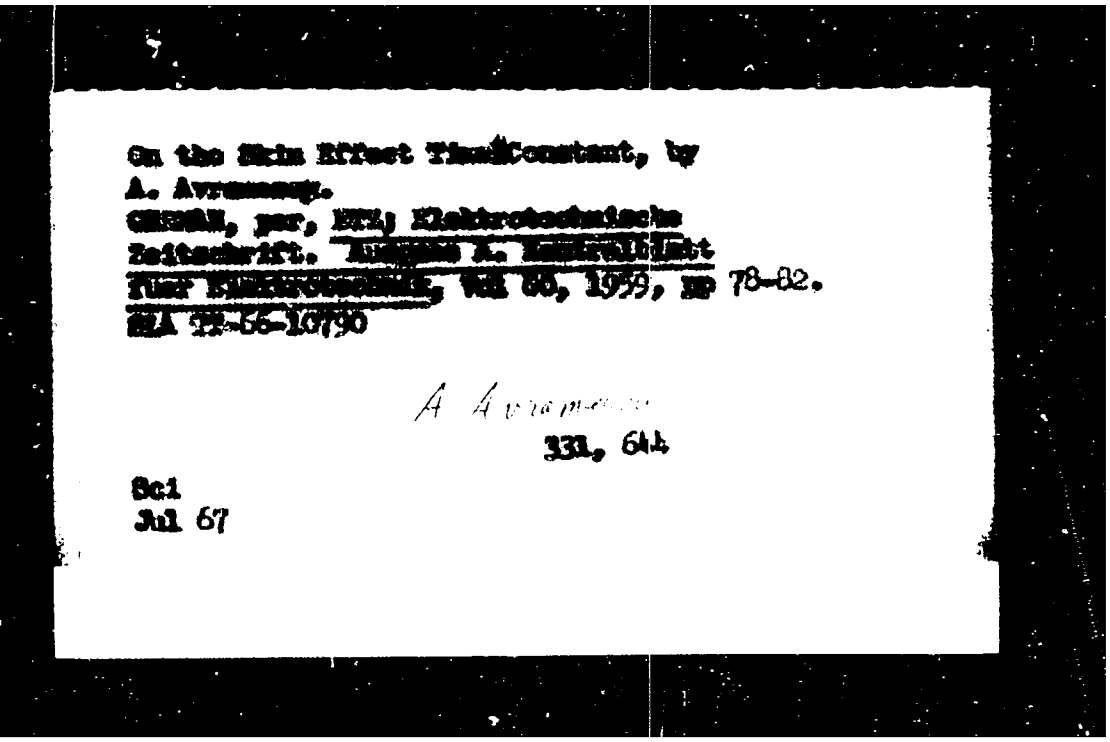

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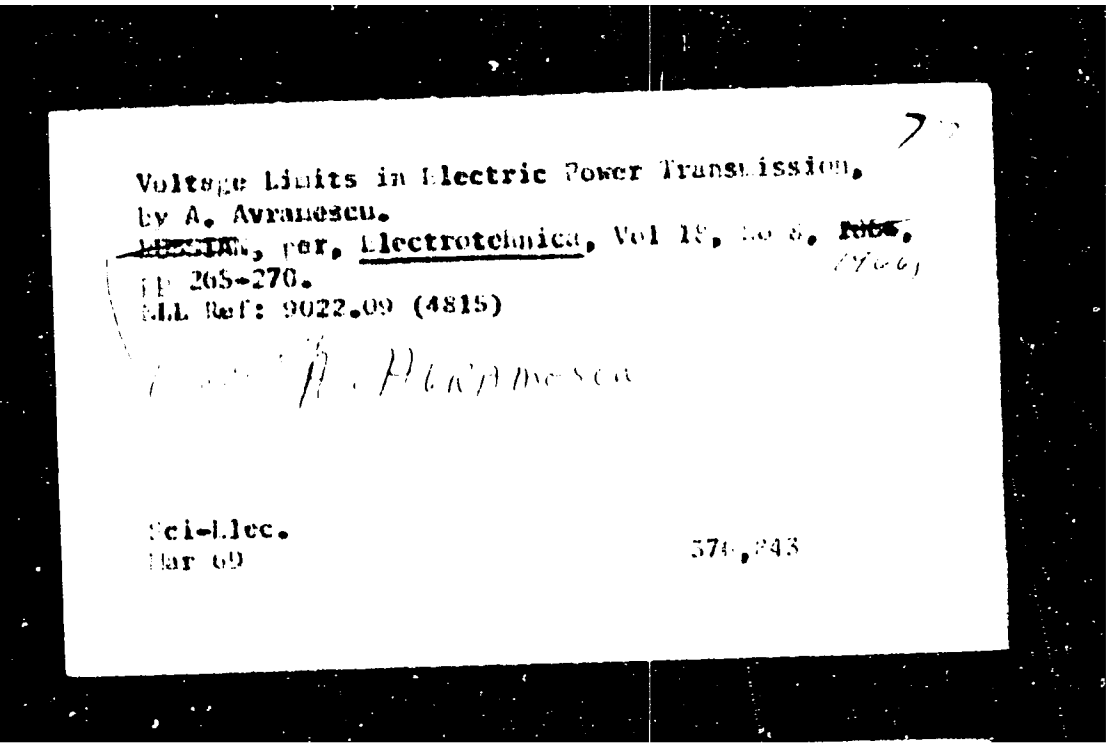

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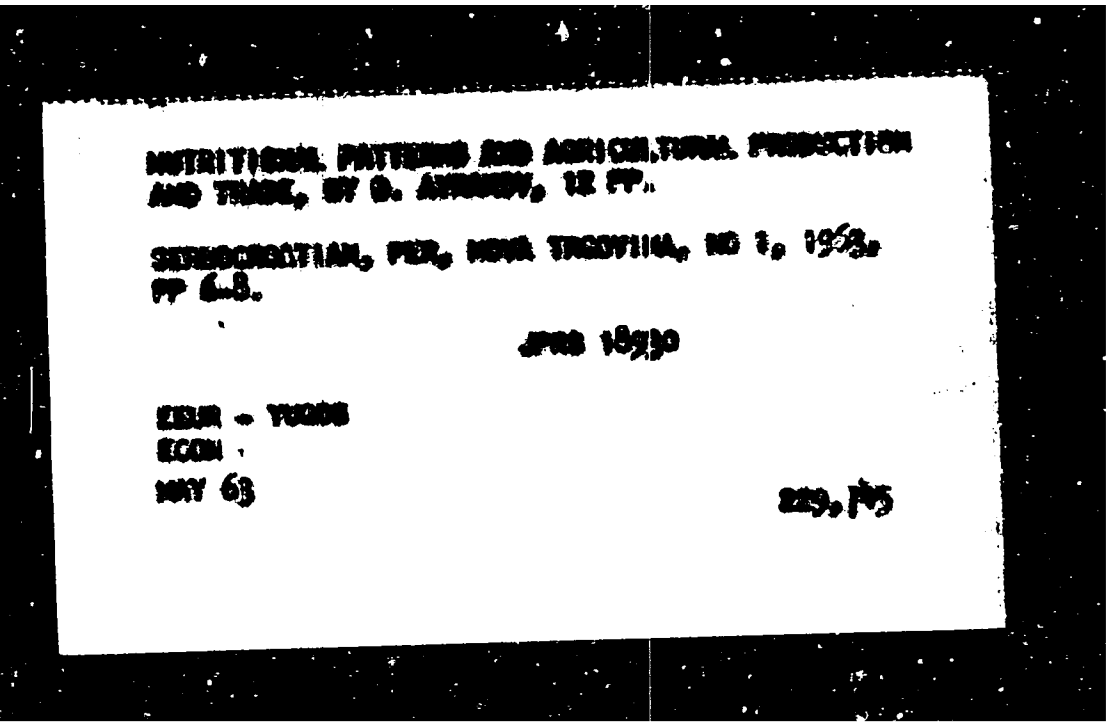

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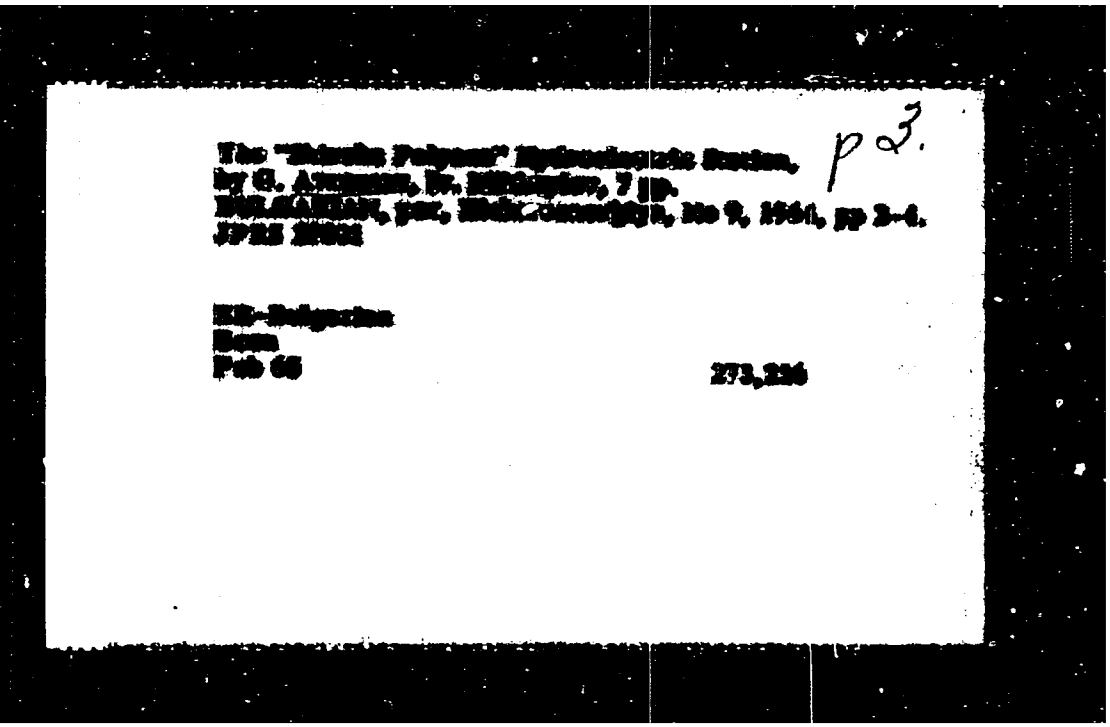

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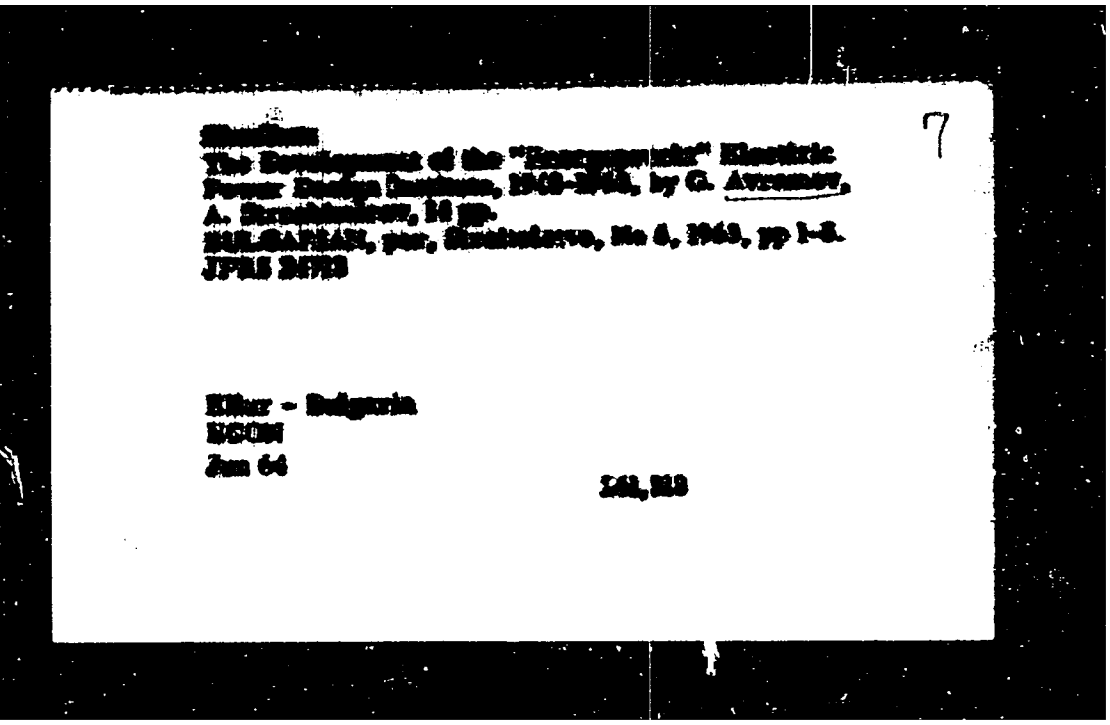

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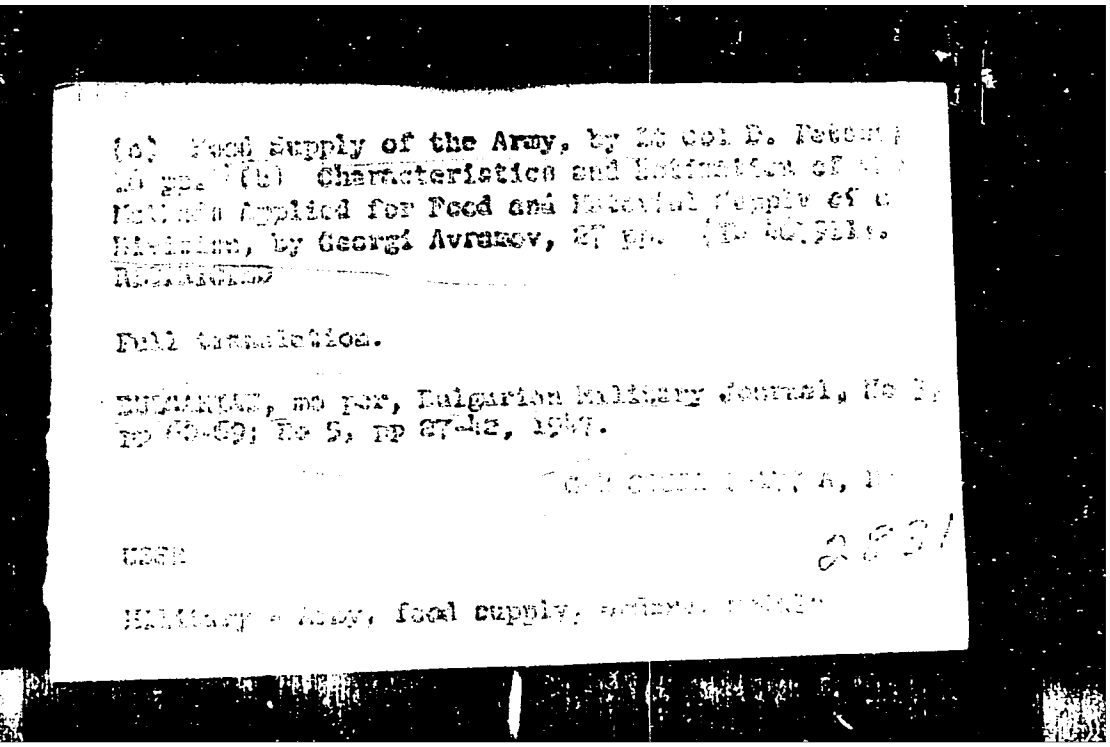

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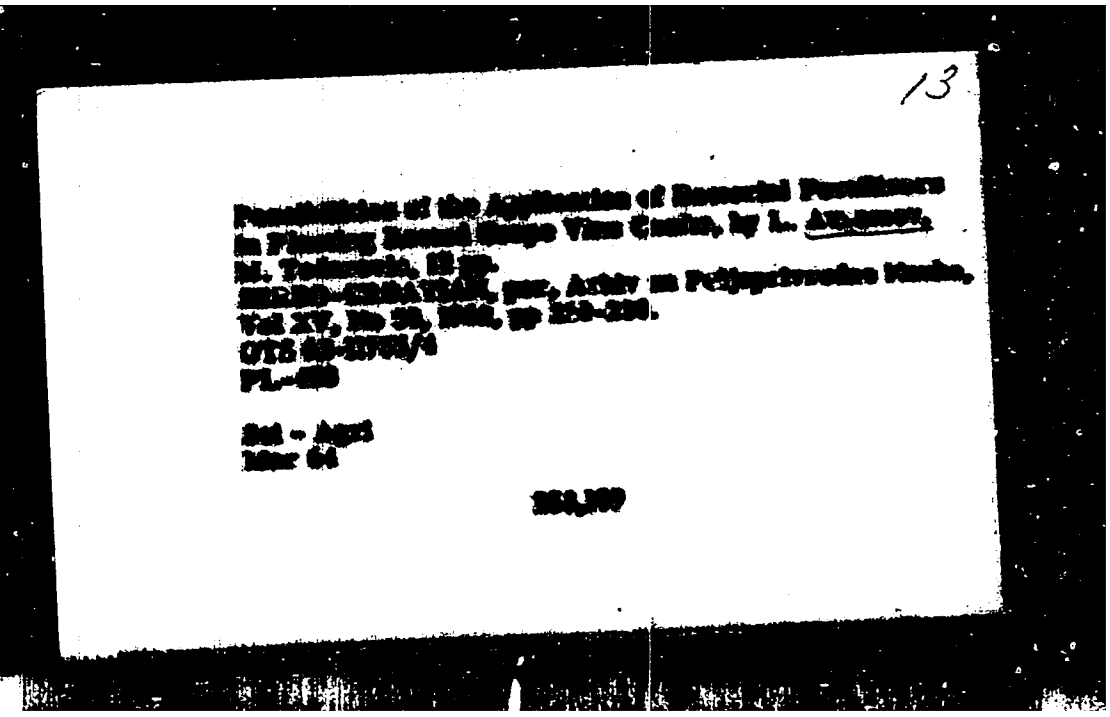

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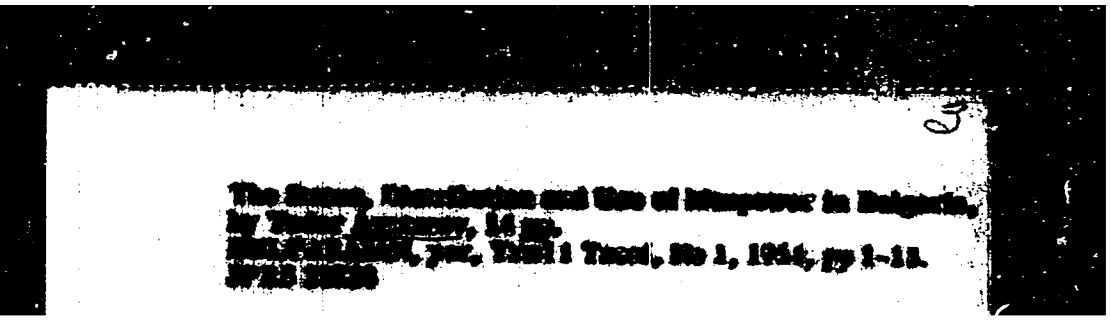

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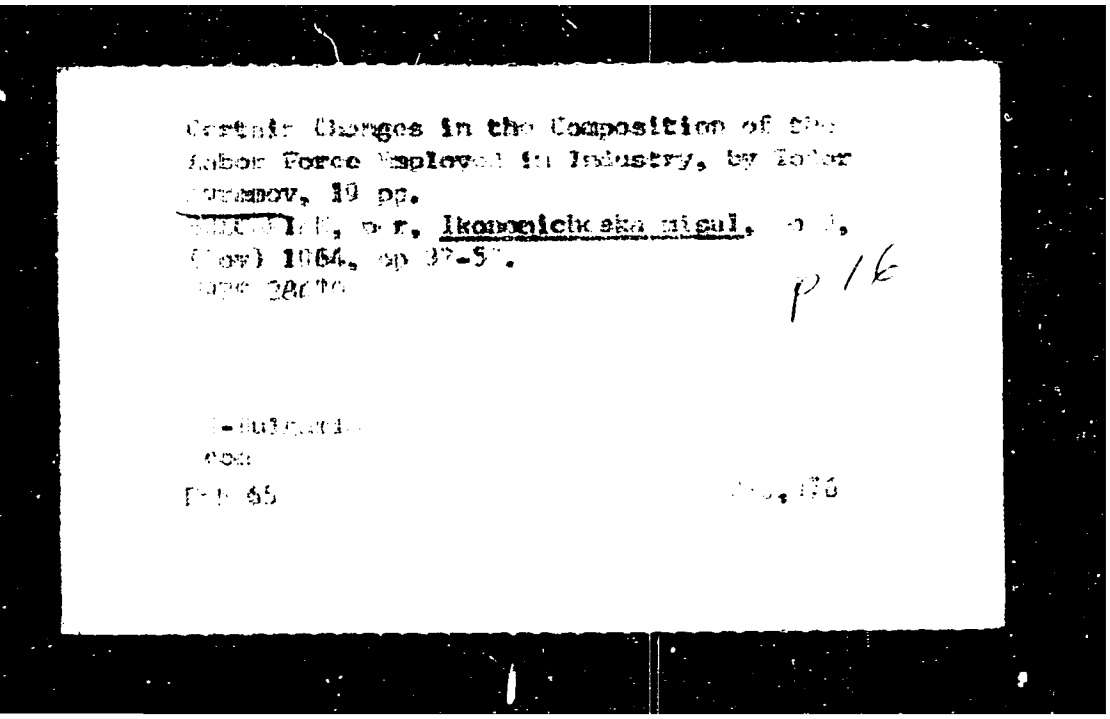

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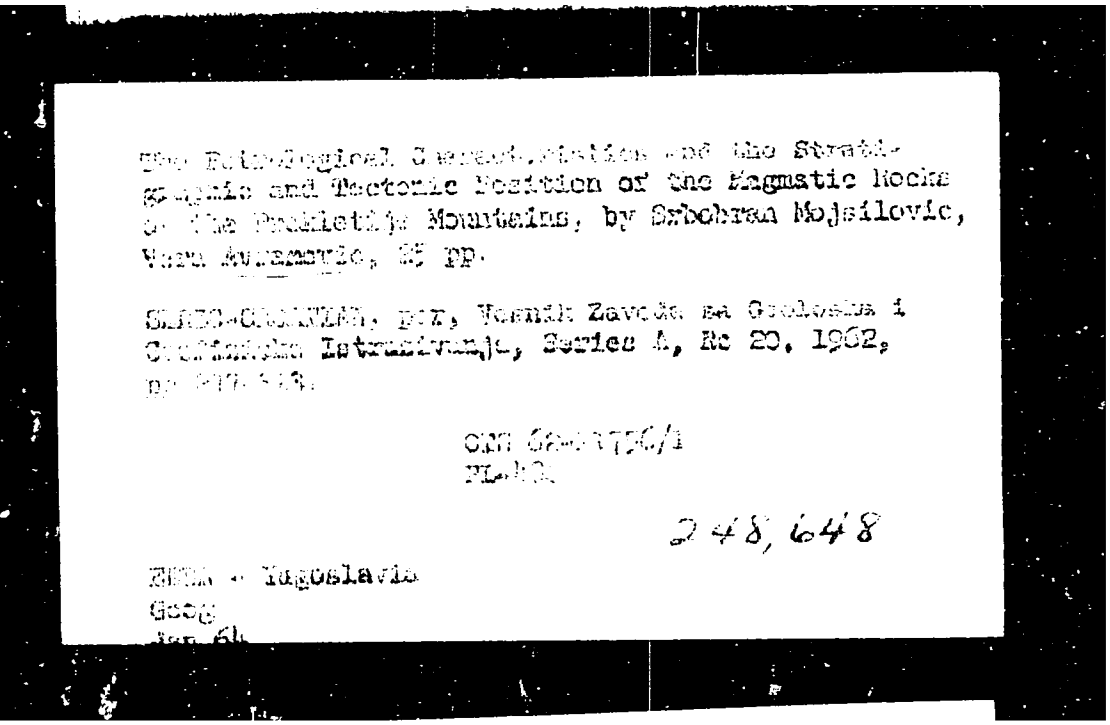

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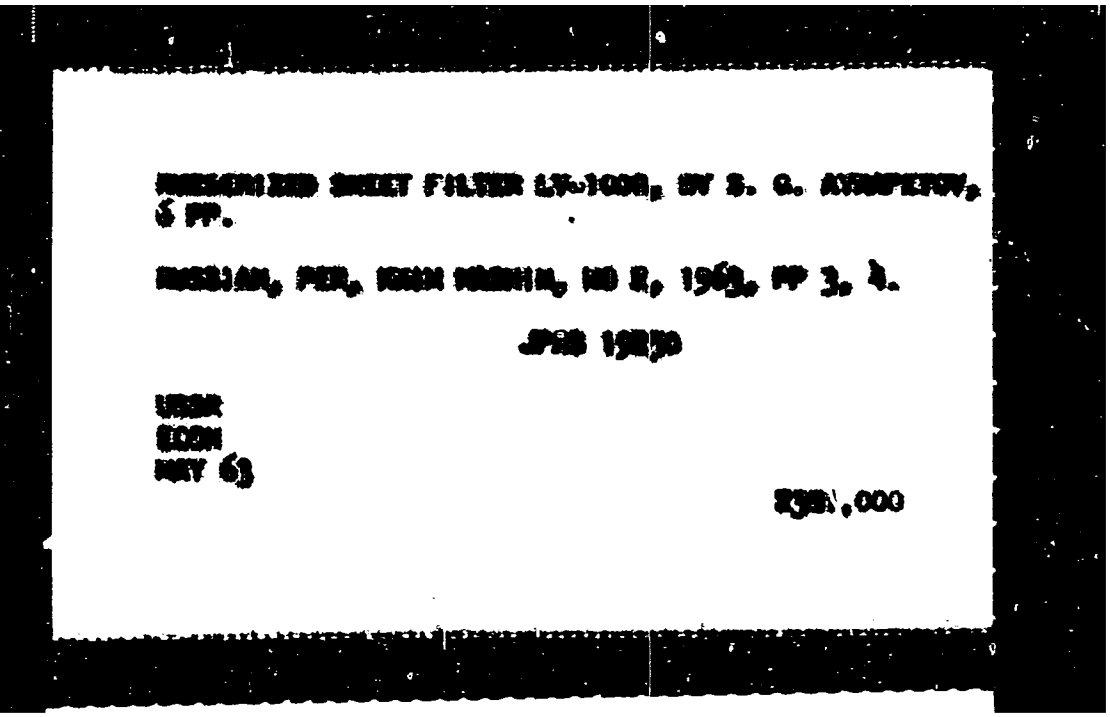

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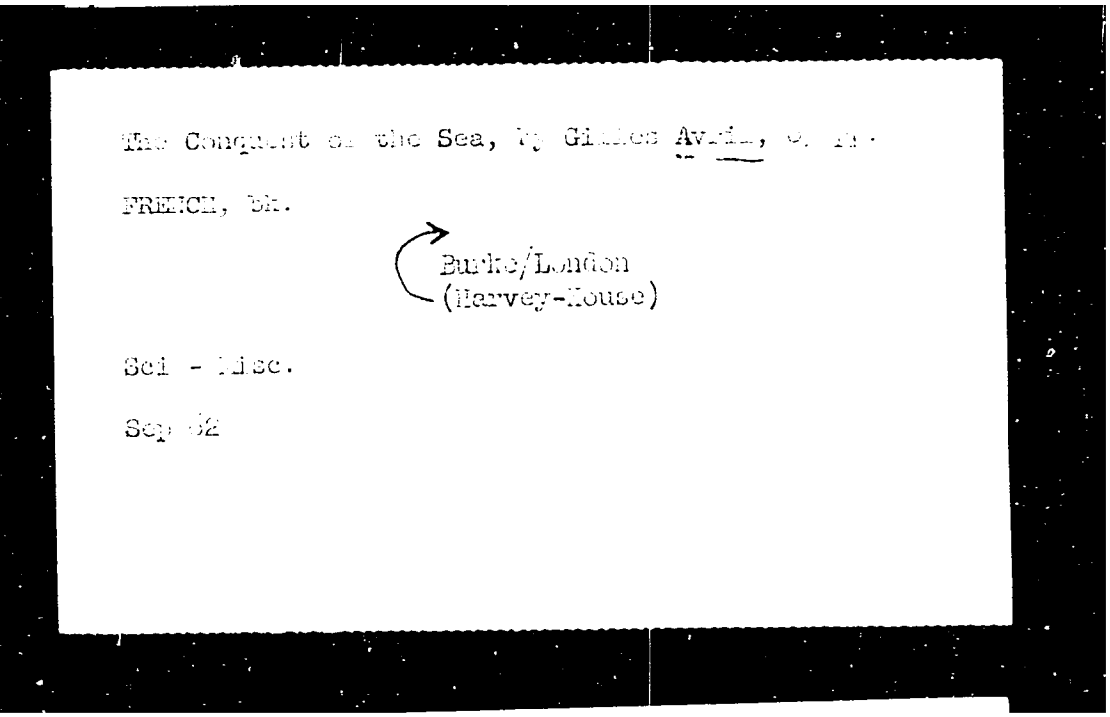

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